Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/20/2020 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123738	-2	1.84	123785	1.86
Blue	F	SSC	125000	124692	-1	1.64	125456	1.56
Blue	E	FITC	16433	16141	-2	2.82	351	20.64
Blue	D	PE	27595	26997	-3	2.05	590	14.90
Blue	B	PerCP-Cy5-5	43183	42949	-1	3.74	1153	20.23
Blue	A	PE-Cy7	31943	31605	-2	6.17	602	40.90
Red	C	APC	42819	41884	-3	2.45	1478	12.15
Red	A	APC-Cy7	31261	30348	-3	2.29	802	12.19
Violet	B	V450	6527	6231	-5	4.92	348	14.00
Violet	A	V500	24533	23654	-4	4.67	550	11.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17555	9.56	616	16	N/A	N/A	Pass
Blue	F	SSC	56731	1.23	559	11	N/A	N/A	Pass
Blue	E	FITC	63	62.06	543	4	0.0177	40	Pass
Blue	D	PE	124	49.42	539	5	0.1553	256	Pass
Blue	B	PerCP-Cy5-5	213	49.42	654	12	0.0092	59	Pass
Blue	A	PE-Cy7	111	102.79	701	12	0.0110	19	Pass
Red	C	APC	353	25.63	580	-3	0.0246	186	Pass
Red	A	APC-Cy7	177	28.05	560	-3	0.0051	407	Pass
Violet	B	V450	53	62.73	448	-7	0.0452	2010	Pass
Violet	A	V500	83	34.78	460	-7	0.0210	778	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/20/2020 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.30	-31.71	1.03
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.48
Red	15.71	13.60 - 20.40	N/A	N/A	29.22	29.78	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10043

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments